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RESEARCH ARTICLE

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Notulae to the Italian native vascular flora: 17

Fabrizio Bartolucci[1], Gianniantonio Domina[2], Sandro Ballelli[3], Fabio Conti[1], Paola Fortini[4], Emanuele Del Guacchio[5], Emanuela Di Iorio[5], Gabriele Galasso[6], Leonardo Gubellini[7], Nicole Hofmann[8], Valentina Lucia Astrid Laface[9], Michele Lonati[10], Giuliana Mazzacuva[9], Ginevra Nota[10], Simone Pesaresi[8], Lorenzo Pinzani[11], Filippo Prosser[12], Luca Quaranta[4], Federico Selvi[13], Manuel Tiburtini[14], Robertino Tiburtini[15], Thomas Wilhalm[16], Lorenzo Lastrucci[17]

1 *Centro Ricerche Floristiche dell'Appennino (Università di Camerino - Parco Nazionale del Gran Sasso e Monti della Laga), Via Prov.le km 4,2 - San Colombo, 67021 Barisciano (L'Aquila), Camerino, Italy* **2** *Dipartimento di Scienze Agrarie, Alimentari e Forestali (SAAF), Università di Palermo, Viale delle Scienze, edificio 4, 90128 Palermo, Italy* **3** *Herbarium Universitatis Camerinensis, Scuola di Bioscienze e Medicina Veterinaria - Unità di Diversità vegetale e Gestione degli ecosistemi, Università di Camerino, Via Pontoni 5, 62032 Camerino (Macerata), Italy* **4** *Laboratorio di Floristica, Dipartimento di Bioscienze e Territorio, Università degli Studi del Molise, 86090 Pesche (Isernia), Italy* **5** *Dipartimento di Biologia, Università di Napoli Federico II, c/o Orto Botanico, Via Foria 223, 80139 Napoli, Italy* **6** *Sezione di Botanica, Museo di Storia Naturale di Milano, Corso Venezia 55, 20121 Milano, Italy* **7** *Centro Ricerche Floristiche Marche "A.J.B. Brilli-Cattarini", Provincia di Pesaro e Urbino, Via Barsanti 18, 61122 Pesaro, Italy* **8** *Dipartimento di Scienze Agrarie, Alimentari e Ambientali, Università Politecnica delle Marche, Via Brecce Bianche, 60131 Ancona, Italy* **9** *Dipartimento di Agraria, Università "Mediterranea" di Reggio Calabria, Feo di Vito snc, 89122 Reggio Calabria, Italy***10** *Dipartimento di Scienze Agrarie, Forestali e Alimentari, Università degli Studi di Torino, Largo Paolo Braccini 2, 10095 Grugliasco (Torino), Italy* **11** *Dipartimento di Scienze, Università di Roma Tre, Viale G. Marconi 446, 00146 Roma, Italy* **12** *Fondazione Museo Civico di Rovereto, Largo S. Caterina 41, 38068 Rovereto, Italy* **13** *Dipartimento di Scienze e Tecnologie Agrarie, Alimentari, Ambientali e Forestali, Università di Firenze, Piazzale delle Cascine 28, I-50144 Firenze, Italy* **14** *PLANTSEED Lab, Dipartimento di Biologia, Università di Pisa, Via Derna 1, 56126, Pisa, Italy* **15** *Via Cunicchio 9, 63811 Sant'Elpidio a Mare (Fermo), Italy* **16** *Museo di Scienze Naturali dell'Alto Adige, Via Bottai 1, 39100 Bolzano, Italy* **17** *Sistema Museale di Ateneo, Università di Firenze, Via G. La Pira 4, 50121 Firenze, Italy*

Corresponding author: Fabrizio Bartolucci (fabrizio.bartolucci@unicam.it)

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Abstract

In this contribution, new data concerning the distribution of native vascular flora in Italy are presented. It includes new records, confirmations, and exclusions to the Italian administrative regions for taxa in the genera *Anacyclus*, *Anthyllis*, *Bolboschoenus*, *Catapodium*, *Festuca*, *Hordeum*, *Lavandula*, *Ophrys*, *Pseudopodospermum*, *Rosa*, *Sorbus* and *Spergula*. Nomenclatural and distribution updates, published elsewhere, and corrigenda are provided as Suppl. material 1.

Keywords

Endemic taxa, Floristic data, Italy

How to contribute

The text for the new records, exclusions, and confirmations should be submitted electronically to Lorenzo Lastrucci (lorenzo.lastrucci@unifi.it). The corresponding specimen along with its scan or photograph have to be sent to FI Herbarium: Sezione di Botanica "Filippo Parlatore" del Museo di Storia Naturale, Via G. La Pira 4, 50121 Firenze (Italy). Those texts concerning nomenclatural novelties and typifications (only for accepted names) should be submitted electronically to: Fabrizio Bartolucci (fabrizio.bartolucci@gmail.com). Each text should be within 1,000 characters (spaces included).

Floristic records of native taxa

Anacyclus clavatus (Desf.) Pers. (Asteraceae)

+ **LIG**: Arma di Taggia (Imperia), parcheggio Piazzale Sant'Erasmo, lungo la ciclabile Imperia-San Remo (WGS84: 43.832754°N, 7.856074°E), aiuole incolte sul margine del parcheggio, 7 m, 1 June 2023, *M. Lonati, G. Nota* (FI). – Species new for the flora of Liguria.

This species forms a well-established population on an uncultivated area of over one ha, with several hundreds of individuals in the flowering stage.

M. Lonati, G. Nota

Anthyllis apennina F.Conti & Bartolucci (Fabaceae)

+ **MAR**: Conca S. Lorenzo, costone rupestre, 1360 m, 14 July 1960, *V. Marchesoni* (FI, CAME); Pendici meridionali orientali del M. Cetrognola, pascoli xerici, substrato calcareo, 1300–1400 m, 30 June 1986, *S. Ballelli* (CAME); M. Gioco del Pallone, vers. E-NE, pascoli pingui e seslerieti, 1100–1200 m, 13 July 1995, *S. Ballelli* (CAME); *ibidem*, pascoli xerici di vetta, 1180 m, 13 July 1995, *S. Ballelli* (CAME); *ibidem*, rupi e pascoli a *Sesleria apennina*, 1110 m, 13 July 1995, *S. Ballelli* (CAME); M. Gioco del Pallone, vers. W, pascoli rocciosi e bosco sottostante, 1100–1200 m, 13 July 2001, *S. Ballelli* (CAME); Pendici SE del M. Vettoretto, Pié Vettore, cespuglieti a *Juniperus* e *Arctostaphylos*, substr. calcareo, 1400–1450 m, 29 July 1992, *S. Ballelli* (CAME);

ibidem, seslerieti e arctostafileti, substr. calcareo, 1500–1800 m, 29 July 1992, *S. Ballelli* (CAME); M. Costa, pendici nord (a nord di Monte Spina di Gualdo), esp. NE, bosco di faggio e pascoli sovrastanti, substr. calcareo, 9 June 2001, *S. Ballelli* (CAME); Castelsantangelo sul Nera (Macerata), Spina di Gualdo, presso la Forca, pascoli, substr. calcareo, 1320 m ca., 19 June 2003, *S. Ballelli* (CAME); Valle dell'Infernaccio lungo il sentiero nella valle, prati e pascoli aridi, substr. calcareo, 4 June 1995, *S. Ballelli* (CAME). – Species new for the flora of Marche.

+ **UMB**: M. Castellaccio, Pian Grande, xerogramineti a *Stipa*, 1350–1450 m, 20 July 1962, *V. Marchesoni* (FI, CAME); M. Castello (sopra inghiottitoio di Pian Grande), esp. E, boschi e pascoli, substr. calcareo, 13 June 1997, *S. Ballelli* (CAME); *ibidem*, pascoli a *Sesleria*, 1 July 2003, *S. Ballelli* (CAME); Colle delle Cupaie (M. Ventosola), esp. SE, pascoli rupestri, substr. calcareo, 1250–1350 m, 4 June 2002, *S. Ballelli* (CAME); sotto Costa Precino (M. Ventosola), esp. E, pascoli sassoso-rupestri, substr. calcareo, 19 June 2020, *S. Ballelli* (CAME). – Species new for the flora of Umbria.

Anthyllis apennina was so far recorded for Abruzzo and Lazio (Conti and Bartolucci 2022).

F. Conti, S. Ballelli

Bolboschoenus planiculmis (F.Schmidt) T.V.Egorova (Cyperaceae)

+ **TOS**: Pelago (Firenze), Il Fossato (WGS84: 43.781428°N, 11.447483°E), sponda fluviale, 90 m, 4 September 2023, leg. *L. Pinzani*, det. *L. Lastrucci*, *L. Pinzani* (FI, *Herb. Pinzani*). – Species confirmed for the flora of Toscana.

According to Di Natale et al. (2020), this species is documented in Toscana only by a single ancient specimen (Padule di Massaciuccoli, Feb 1864, *O. Beccari*, FI058805 sub *Scirpus maritimus*; rev. L. Pignotti 09/1998, sub *Scirpus maritimus*). At the site of discovery, this species forms a small population in a temporarily wet depression along the Sieve River.

L. Pinzani, L. Lastrucci

Catapodium pauciflorum (Merino) Brullo, Giusso, Miniss. & Spamp. (Poaceae)

+ **MAR**: Marina Palmense (Fermo), Habitat: Prateria subsalsa. Area di Volo di Marina Palmense, nei pressi del Camping "Spinnaker" (WGS84: 43.1557288°N, 13.81091827°E), 8 May 2023, *M. Tiburtini, R. Tiburtini* (FI). – Species new for the flora of Marche.

Along the Adriatic coast, this species shows a patchy distribution (Bartolucci et al. 2024), and this may due to identification problems with similar species (Brullo et al. 2003).

M. Tiburtini, R. Tiburtini

Festuca circummediterranea Patzke (Poaceae)

+ **TAA**: Brentonico (Trento), M. Baldo, ca. 100 m a N di Malga Postemon (WGS84: 45.773300°N, 10.9199990°E), pascolo su calcare, 1390 m, 12 June 2007, *F. Prosser,*

A. Bertolli, det. *F. Prosser*, rev. *T. Wilhalm*, conf. *B. Foggi* (FI). – Species new for the flora of Trentino-Alto Adige.
+ **VEN**: Malcesine (Verona), M. Baldo, versante W del M. Altissimo al Dosso dei Roveri (WGS84: 45.814932°N, 10.868885°E), zona erbosa su calcare, 1060 m, 3 August 2005, *F. Prosser*, rev. *T. Wilhalm*, conf. *B. Foggi* (FI, ROV 48119). – Species confirmed for the flora of Veneto.

The specimens from Monte Baldo were noticed because they resembled an (octoploid) *F. laevigata* Gaudin (Arndt 2005), but leaf section and sheath corresponded to that of (diploid) *F. circummediterranea* (Ardenghi et al. 2016). The stomata length also clearly indicated a diploid plant (approx. 25 µm, Fischer et al. in prep.). The specimen from Trentino-Alto Adige comes from an isolated tussock, that from the Veronese part from a limited individual-rich population in a barely impacted area. The present records extend the range of this Mediterranean species to southern Alps.

F. Prosser, T. Wilhalm

***Hordeum geniculatum* All. (Poaceae)**

+ **MAR**: Staffolo (Ancona), loc. Coste di Staffolo (WGS84: 33T 43.4529256°N, 13.2201362°E), stradello argilloso sopra al calanco, suolo argilloso-limoso, c. 250 m, 17 May 2002, leg. et det. *S. Pesaresi* (sub *Hordeum hystrix* Roth, PESA); Pesaro (Pesaro e Urbino), tra Candelara e Ginestreto, margini di campo lungo la strada della Blilla (WGS84: 43.852420°N, 12.850836°E), suolo argilloso, humus nullo, c. 155 m, 29 May 2012, leg. et det. *L. Gubellini* (PESA, FI). – Species new for the flora of Marche.

L. Gubellini, S. Pesaresi

***Lavandula latifolia* Medik. (Lamiaceae)**

– **CAM.** Species to be [e]xcluded from the flora of Campania.

The occurrence of this species in Campania is exclusively based on an indication for Alburni massif (Salerno) by Caputo et al. (1977): "Rupi presso «Il Figliolo» (m 1300)". According to our field surveys and pertinent specimens [*Herb. Del Guacchio* (NAP)], this indication is to be attributed to the recently described *L. austroapennina* N.G.Passal., Tundis & Upson. Accordingly, *L. latifolia* should be excluded from the regional flora (see also Grande 1924).

E. Del Guacchio, E. Di Iorio

***Ophrys fusca* Link subsp. *forestieri* (Rchb.f.) Kreutz (Orchidaceae)**

+ **CAL**: Motta San Giovanni (Reggio Calabria), località Pitea (WGS84: 38.008475°N, 15.734279°E), in prossimità di un impianto di *Pinus* sp. con presenza di formazioni rocciose, 826 m, 11 February 2024, leg. *V.L.A. Laface, G. Mazzacuva*, det. *V.L.A. Laface, G. Mazzacuva, L. Torino* (REGGIO, FI). – Subspecies new for the flora of Calabria.

Many individuals have been observed growing in the pine forest and near the rock formations. This subspecies is easily distinguished by its early flowering, beginning to bloom in January with full flowering in February/March.

V.L.A. Laface, G. Mazzacuva

***Pseudopodospermum hispanicum* (L.) Zaika, Sukhor. & N.Kilian subsp. *neapolitanum* (Grande) Bartolucci, Galasso & F.Conti (Asteraceae)**

+ **TOS**: Roccalbegna (Grosseto), margini di boscaglia lungo la strada fra Usi e Rocconi nella valle dell'Albegna (WGS84: 42.740556°N, 11.472238°E), 530 m ca., suolo argilloso, raro, 12 June 1999, leg. *F. Selvi* 0341, vid. *F. Bartolucci* (FI); Castell'Azzara (Grosseto), scendendo alla Sforzesca, erbosi su calanco argilloso (WGS84: 42.774027°N, 11.703910°E), 600 m ca., raro, 18 May 2007, *F. Selvi 2843* (FI); Usi (Grosseto) radure e margini boschivi lungo la strada verso Murci (WGS84: 42.740556°N, 11.472238°E), suolo argilloso, 500 m ca., 9 May 2009, leg. *F. Selvi 3132*, vid. *F. Bartolucci* (FI). – Subspecies new for the flora of Toscana.

The specimens of *Scorzonera hispanica* L. mentioned in Selvi (2010) belong to this subspecies, endemic to central and southern Italy (Bartolucci et al. 2020). The Tuscan populations mark the northern distribution limit of this taxon.

F. Selvi

***Rosa nitidula* Besser (Rosaceae)**

+ **UMB**: Gubbio (Perugia), Monte Petria (WGS84: 43.428747°N, 12.661019°E), margini di bosco e arbusteti, suolo calcareo, 875 m, 1 June 2022, leg. *L. Gubellini et N. Hofmann*, det. *L. Gubellini* (PESA, FI). – Species new for the flora of Umbria.

L. Gubellini, N. Hofmann

+ **MOL**: Fragnete (Isernia), Colle Santa Maria (WGS84: 41.98472°N, 14.31583°E, cespuglieto, ca. 460 m, 16 May 2005, leg. *V. Viscosi*, det. *E Lattanzi* (IS); Fornelli (Isernia) (WGS84: 41.61410°N, 14.13828°E), siepe su marna argillosa, ca. 500 m, 25 May 2005, leg. *S. Pietrunti*, det. *S. Pietrunti, E. Lattanzi, A. Tilia* (IS); Colli al Volturno (Isernia), strada provinciale da Colli al Volturno a Fornelli (WGS84: 41.59928°N, 14.10741°E), cespuglieto, ca. 450 m, 18 July 2006, leg. *S. Pietrunti*, det. *S. Pietrunti, E Lattanzi* (FI, IS). – Species new for the flora of Molise.

P. Fortini, L. Quaranta

***Sorbus chamaemespilus* (L.) Crantz (Rosaceae)**

– **CAM**. Species to be excluded from the flora of Campania.

– **PUG**. Species to be excluded from the flora of Puglia.

Tenore (1831–1833: 70, under the name *Pyrus chamaemespylus*, see also Tenore 1831) indicated this species for Montevergine (Avellino, Campania) and Gargano

(Foggia, Apulia), where it has been no longer found. By the expression "Tenore, 1827 (Monte di Mezzo, in subalpinis)", Fenaroli (1970) merely quoted that indication. Bartolucci et al. (2024) does not indicate this species for Campania and report it as doubtful for Puglia (see also Pignatti 1982, Conti and Bartolucci 2015). As Tenore (1831–1833: 278) himself deleted all the localities of southern Italy (not represented at NAP), the reports for Campania and Puglia are considered erroneous.

E. Del Guacchio

***Spergula arvensis* L. (Caryophyllaceae)**

+ **MAR**: Castelsantangelo sul Nera (Macerata), Monti Sibillini, al Piano perduto (WGS84: 42.839953°N, 13.196694°E), luoghi erbosi incolti, suolo calcareo, humus nullo o subnullo, c. 1310 m, 8 October 2023, leg. et det. *L. Gubellini* (PESA, FI) – Species confirmed for the flora of Marche.

This species, recorded at the end of the 19th century for the Pesaro area by Paolucci (1890), was recently found in the southern sector of Marche region at Pian Perduto (Mts. Sibillini), where it forms a population of about a hundred individuals in resting fields.

L. Gubellini, N. Hofmann

Nomenclatural and distribution updates from other literature sources

Nomenclatural and distribution updates, and corrigenda to Bartolucci et al. (2024) according to Klaver and Rossi (2011), Pignatti et al. (2017), Hertel and Presser (2021), Tison et al. (2021), Iamonico et al. (2022), Adamo et al. (2023), Martini et al. (2023), Parolo and Della Ferrera (2023), Uhlemann (2023), Gianguzzi et al. (2024), Gottschlich (2024), Iamonico and Del Guacchio (2024), Kozlowski et al. (2024); Sennikov (2024), Sennikov and Tikhomirov (2024), Španiel et al. (2024), Valle et al. (2024) are provided in Suppl. material 1.

F. Bartolucci, G. Galasso

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Supplementary material 1

Supplementary data

Authors: Fabrizio Bartolucci, Gabriele Galasso

Data type: species data (PDF file)

Explanation note: 1. Nomenclatural updates; 2. Distribution updates; 3. Synonyms, misapplied or included names.

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